



PCT10

## RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/10/048,024

TIME: 09:58:03

Input Set : A:\PF-0724-PCT Sequence Listing.txt

Output Set: N:\CRF3\02132002\J048024.raw

ENTERED

2 <110> APPLICANT: INCYTE GENOMICS, INC.  
 3 TANG, Y. Tom  
 4 YUE, Henry  
 5 LU, Dyung Aina M.  
 6 YANG, Junming  
 7 REDDY, Roopa  
 8 AZIMZAI, Yalda  
 W--> 9 <120> TITLE OF INVENTION: HUMAN NERVOUS SYSTEM-ASSOCIATED PROTEINS  
 W--> 10 <130> FILE REFERENCE: PF-0724 PCT  
 W--> 11 <140> CURRENT APPLICATION NUMBER: To Be Assigned  
 C--> 12 <141> CURRENT FILING DATE: 2002-01-18  
 13 <150> PRIOR APPLICATION NUMBER: 60/144,994  
 14 <151> PRIOR FILING DATE: 1999-07-22  
 W--> 15 <160> NUMBER OF SEQ ID: 8  
 16 <170> SOFTWARE: PERL Program  
 W--> 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 168  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Homo sapiens  
 W--> 21 <220> FEATURE:  
 22 <221> NAME/KEY: misc\_feature  
 23 <223> OTHER INFORMATION: Incyte ID No:1741504CD1  
 W--> 24 <400> SEQUENCE: 1  
 25 Met Gly His Ser Gln Gly Pro Met Gly Ile Ala Arg Ala Leu Trp  
 26 1 5 10 15  
 27 Val Leu Trp Lys Gln Glu Arg Gly Pro Trp Lys Gln Pro Arg Gln  
 28 20 25 30  
 29 Leu Gly Phe Thr Gln Arg Gly Pro Lys Ser Gln Ser Leu Pro Phe  
 30 35 40 45  
 31 Ser Gln Asn Thr Asp Ile Phe Ala Ser Gly His Arg Ala Thr Gly  
 32 50 55 60  
 33 Ala Leu Ser Ser Lys Met Arg Phe Leu Lys Pro Gly Ile Asp Trp  
 34 65 70 75  
 35 Ser Pro Lys Asn Arg Cys Trp Asp Gly Glu Trp Gly Phe Ile Trp  
 36 80 85 90  
 37 Val Ser Val Lys Gln Gly Gly Leu Asp Lys Ser Gly Trp Ala Thr  
 38 95 100 105  
 39 Trp Tyr Pro His Thr Arg Thr His Thr Gly Ala Asn Pro Leu Gln  
 40 110 115 120  
 41 Leu Asn Lys Gln Arg Asn Ser Val Trp Lys Gly Pro Ser Cys Leu  
 42 125 130 135  
 43 Leu Lys Ser Leu Arg Pro Cys His Thr Ser Pro Arg His Cys His  
 44 140 145 150

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```

45 His Ser Gly His His Cys Thr Val Gln Gln Val Arg Arg Pro Arg
46                               155                      160                      165
47 Ser Tyr Ser
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 447
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
53 <220> FEATURE:
54 <221> NAME/KEY: misc_feature
55 <223> OTHER INFORMATION: Incyte ID No:1831392CD1
W--> 56 <400> SEQUENCE: 2
57 Met Arg Ser Val Ser Tyr Val Gln Arg Val Ala Leu Glu Phe Ser
58 1 5 10 15
59 Gly Ser Leu Phe Pro His Ala Ile Cys Leu Gly Asp Val Asp Asn
60 20 25 30
61 Asp Thr Leu Asn Glu Leu Val Val Gly Asp Thr Ser Gly Lys Val
62 35 40 45
63 Ser Val Tyr Lys Asn Asp Asp Ser Arg Pro Trp Leu Thr Cys Ser
64 50 55 60
65 Cys Gln Gly Met Leu Thr Cys Val Gly Val Gly Asp Val Cys Asn
66 65 70 75
67 Lys Gly Lys Asn Leu Leu Val Ala Val Ser Ala Glu Gly Trp Phe
68 80 85 90
69 His Leu Phe Asp Leu Thr Pro Ala Lys Val Leu Asp Ala Ser Gly
70 95 100 105
71 His His Glu Thr Leu Ile Gly Glu Glu Gln Arg Pro Val Phe Lys
72 110 115 120
73 Gln His Ile Pro Ala Asn Thr Lys Val Met Leu Ile Ser Asp Ile
74 125 130 135
75 Asp Gly Asp Gly Cys Arg Glu Leu Val Val Gly Tyr Thr Asp Arg
76 140 145 150
77 Val Val Arg Ala Phe Arg Trp Glu Glu Leu Gly Glu Gly Pro Glu
78 155 160 165
79 His Leu Thr Gly Gln Leu Val Ser Leu Lys Lys Trp Met Leu Glu
80 170 175 180
81 Gly Gln Val Asp Ser Leu Ser Val Thr Leu Gly Pro Leu Gly Leu
82 185 190 195
83 Pro Glu Leu Met Val Ser Gln Pro Gly Cys Ala Tyr Ala Ile Leu
84 200 205 210
85 Leu Cys Thr Trp Lys Lys Asp Thr Gly Ser Pro Pro Ala Ser Glu
86 215 220 225
87 Gly Pro Thr Asp Gly Ser Arg Glu Thr Pro Ala Ala Arg Asp Val
88 230 235 240
89 Val Leu His Gln Thr Ser Gly Arg Ile His Asn Lys Asn Val Ser
90 245 250 255
91 Thr His Leu Ile Gly Asn Ile Lys Gln Gly His Gly Thr Glu Ser
92 260 265 270
93 Ser Gly Ser Gly Leu Phe Ala Leu Cys Thr Leu Asp Gly Thr Leu
94 275 280 285

```

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```

95 Lys Leu Met Glu Glu Met Glu Glu Ala Asp Lys Leu Leu Trp Ser
96                               290                295                300
97 Val Gln Val Asp His Gln Leu Phe Ala Leu Glu Lys Leu Asp Val
98                               305                310                315
99 Thr Gly Asn Gly His Glu Glu Val Val Ala Cys Ala Trp Asp Gly
100                              320                325                330
101 Gln Thr Tyr Ile Ile Asp His Asn Arg Thr Val Val Arg Phe Gln
102                              335                340                345
103 Val Asp Glu Asn Ile Arg Ala Phe Cys Ala Gly Leu Tyr Ala Cys
104                              350                355                360
105 Lys Glu Gly Arg Asn Ser Pro Cys Leu Val Tyr Val Thr Phe Asn
106                              365                370                375
107 Gln Lys Ile Tyr Val Tyr Trp Glu Val Gln Leu Glu Arg Met Glu
108                              380                385                390
109 Ser Thr Asn Leu Val Lys Leu Leu Glu Thr Lys Pro Glu Tyr His
110                              395                400                405
111 Ser Leu Leu Gln Glu Leu Gly Val Asp Pro Asp Asp Leu Pro Val
112                              410                415                420
113 Thr Arg Ala Leu Leu His Gln Thr Leu Tyr His Pro Asp Gln Pro
114                              425                430                435
115 Pro Gln Cys Ala Pro Ser Ser Leu Gln Asp Pro Thr
116                              440                445

```

117 &lt;210&gt; SEQ ID NO: 3

118 &lt;211&gt; LENGTH: 208

119 &lt;212&gt; TYPE: PRT

120 &lt;213&gt; ORGANISM: Homo sapiens

122 &lt;220&gt; FEATURE:

123 &lt;221&gt; NAME/KEY: misc\_feature

124 &lt;223&gt; OTHER INFORMATION: Incyte ID No:3853885CD1

W--&gt; 125 &lt;400&gt; SEQUENCE: 3

```

126 Met Gly Ser Cys Ser Gly Arg Cys Ala Leu Val Val Leu Cys Ala
127 1                               5                10                15
128 Phe Gln Leu Val Ala Ala Leu Glu Arg Gln Val Phe Asp Phe Leu
129                               20                25                30
130 Gly Tyr Gln Trp Ala Pro Ile Leu Ala Asn Phe Val His Ile Ile
131                               35                40                45
132 Ile Val Ile Leu Gly Leu Phe Gly Thr Ile Gln Tyr Arg Leu Arg
133                               50                55                60
134 Tyr Val Met Val Tyr Thr Leu Trp Ala Ala Val Trp Val Thr Trp
135                               65                70                75
136 Asn Val Phe Ile Ile Cys Phe Tyr Leu Glu Val Gly Gly Leu Leu
137                               80                85                90
138 Gln Asp Ser Glu Leu Leu Thr Phe Ser Leu Ser Arg His Arg Ser
139                               95                100               105
140 Trp Trp Arg Glu Arg Trp Pro Gly Cys Leu His Glu Glu Val Pro
141                               110               115                120
142 Ala Val Gly Leu Gly Ala Pro His Gly Gln Ala Leu Val Ser Gly
143                               125                130                135
144 Ala Gly Cys Ala Leu Glu Pro Ser Tyr Val Glu Ala Leu His Ser

```

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```

145          140          145          150
146 Gly Leu Gln Ile Leu Ile Ala Leu Leu Gly Phe Val Cys Gly Cys
147          155          160          165
148 Gln Val Val Ser Val Phe Thr Glu Glu Asp Ser Phe Asp Phe
149          170          175          180
150 Ile Gly Gly Phe Asp Pro Phe Pro Leu Tyr His Val Asn Glu Lys
151          185          190          195
152 Pro Ser Ser Leu Leu Ser Lys Gln Val Tyr Leu Pro Ala
153          200          205
154 <210> SEQ ID NO: 4
155 <211> LENGTH: 154
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: Incyte ID No:5059410CD1
W--> 162 <400> SEQUENCE: 4
163 Met Met Asp Gln Glu Glu Lys Thr Glu Glu Gly Ser Gly Pro Cys
164 1 5 10 15
165 Ala Glu Ala Gly Ser Pro Asp Gln Glu Gly Phe Phe Asn Leu Leu
166 20 25 30
167 Ser His Val Gln Gly Asp Arg Met Glu Gly Gln Arg Cys Ser Leu
168 35 40 45
169 Gln Ala Gly Pro Gly Gln Thr Thr Lys Ser Gln Ser Asp Pro Thr
170 50 55 60
171 Pro Glu Met Asp Ser Leu Met Asp Met Leu Ala Ser Thr Gln Gly
172 65 70 75
173 Arg Arg Met Asp Asp Gln Arg Val Thr Val Ser Ser Leu Pro Gly
174 80 85 90
175 Phe Gln Pro Val Gly Ser Lys Asp Gly Ala Gln Lys Arg Ala Trp
176 95 100 105
177 Thr Leu Ser Pro Gln Pro Leu Leu Asn Pro Gln Asp Pro Thr Ala
178 110 115 120
179 Leu Gly Phe Arg Arg Asn Ser Ser Pro Gln Pro Pro Thr Gln Ala
180 125 130 135
181 Pro Leu Gly Ala Glu Ala Ser Trp Val Ser Leu Gly Leu Gln Lys
182 140 145 150
183 Leu Val Gly Gly
184 <210> SEQ ID NO: 5
185 <211> LENGTH: 1315
186 <212> TYPE: DNA
187 <213> ORGANISM: Homo sapiens
W--> 188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <223> OTHER INFORMATION: Incyte ID No:1741504CB1
W--> 191 <400> SEQUENCE: 5
192 acagaacccc ttgtaggctg gaggcaagat tgaatgtggg agaaaatcgg agagaagcga 60
193 taggagttag aacatctgga tgtgtctgca gctgtctgtc agcccaattg ggccaggggg 120
194 tcccaaagac gcatattctc accccacctc tacctgtctc ctgatcacat cccagtcacc 180

```

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Input Set : A:\PF-0724-PCT Sequence Listing.txt

Output Set: N:\CRF3\02132002\J048024.raw

```

195 agcggcagct tcttgatag tgaggagaa caactgcaag ttgagagagg cagaggggtg 240
196 gaaggacct gaagctggcc tggagaaaag cataggccca ggagagcctg ccctgggaca 300
197 gcgcctgtct ccacacagc agcaactggc cagcaaggac ctctccctt ggccctggcc 360
198 acatcccact cctgcccttt cataagcccc ctggggaaag cactccagtc ttctctgttc 420
199 caggctgggc agatagggtc ctatggggca cagccaggtt cctatgggca tagccagggc 480
200 cctatgggtc ctctggaagc aagaaagggg gccatggaag cagcccagac agctgggggtt 540
201 cactcagaga ggaccaagt cccagtcctt tcttttcagt caaaacacgg atatctttgc 600
202 ctgaggtcac agggccactg gggccctgtc atcaaagatg agattcctga agcctggcat 660
203 tgactggtcc cctaagaaca gatgttggga tggagaatgg ggattcattt gggtttcagt 720
204 aaaacagggg ggtctggaca agagcgggtg ggctacttgg tatccacaca cagcactca 780
205 cacaggagcc aacccattgc agctgaacaa gcagagaaac tcagtctgga aaggccctc 840
206 ctgctgtctg aagtactga gacctgcca cactctctct cgcactgtc accactcagg 900
207 gcaccactgt acagtgaac aagtcaggag acctaggtcc tactctgac acttgcta 960
208 tagctctatg actctgggca aatcgcatat ctgggcctca gtttctcat ctgtaaaaat 1020
209 gacagcaaac tcgtaatgct caataaatgt ttaaataaca actgaaaaga aagaaaccaa 1080
210 gtcaggcgac aaggagcgta gaacagacca aacgagcgcg ccgccgaagg agacggaagc 1140
211 caggtgtggg cgaggagtaa gaagaggggg cgcgagccc gaaataaggg ttgcaggacc 1200
212 agcgaccgag agatagatat acagagagcc ggagcgaaga gcacgcgagc acacagcctc 1260
213 cgctccagcc gaagagaggg cagctaacaa gaagaaacgc agatgaccat aacat 1315

```

214 &lt;210&gt; SEQ ID NO: 6

215 &lt;211&gt; LENGTH: 2500

216 &lt;212&gt; TYPE: DNA

217 &lt;213&gt; ORGANISM: Homo sapiens

W--&gt; 218 &lt;220&gt; FEATURE:

219 &lt;221&gt; NAME/KEY: misc\_feature

220 &lt;223&gt; OTHER INFORMATION: Incyte ID No:1831392CB1

W--&gt; 221 &lt;400&gt; SEQUENCE: 6

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222 ttttttttta caaagaaggt ataacttta taacctatt tacagataag aaaaccaaga 60
223 ctcagaagtt aaatggaaag gtgaggtctc tgaactaat cagactctcc catgaggttc 120
224 ctttggaag tcttggtctt ctgtctctat ctgcaaaatc gaaagcattc ctgaggttc 180
225 ttccagctct gcatcatcag agttgggaag cccgcctcca agcccggaag acccgctcc 240
226 tctgtaaggt taaaggagga agaggcagag attggaggtt caggcagtga cgtaacttgc 300
227 tgccttaggt ggccttccgc tctggcggtt gtcgcgagcg gggttcaggg aatatttact 360
228 gggcctctcc gctccctctg ctcttgagg tgccatgagg tcagttagct acgtgcagcg 420
229 cgtggcgctg gagttcagcg ggagcctctt cccgcagca atctgctcg gagacgttga 480
230 taacgatacg ttaaatgaac tgggtggtgg agacaccagc ggaaggtgt ctgtgtataa 540
231 aaatgatgac agtcggccat ggctcactg ttcttgccag ggaatgctga cttgcgttgg 600
232 ggttgagac gtgtgtaata aaggaaagaa cctgttggtg gcagttagtg ctgaaggctg 660
233 gtttcatttg ttgacctga cactgcca ggtgttggtt gcttctgggc accacgagac 720
234 actaatcgga gaggagcagc gtccagtctt caagcagcac atccctgcca acaccaaggt 780
235 catgctgac agcgacatcg atggagatgg gtgtcgtgag ctggtggtgg gctacacaga 840
236 ccgtgtggtg cgagctttcc gctgggagga gctaggtgag ggtcctgaac atctgacagg 900
237 gcagctggtg tccctcaaga aatggatgct ggagggctag gtggacagcc tctcagtga 960
238 tctggggcca ctgggtcttc ctgaactgat ggtgtctcag ccaggttgtg cgtatgcaat 1020
239 tctactgtgt acctggaaaa aggacactgg gtcctctcct gcctctgaag ggccacgga 1080
240 ttgtagtagg gagacccag ctgcccagga cgtggtgctg caccagacat ctggccgtat 1140
241 ccacaacaag aatgtctcca ctacctaata tggcaacatc aaacaaggcc acggcactga 1200
242 gagtagtggc tctggcctct ttgccctgtg caccctggat gggacactga agctcatgga 1260
243 agaaatggaa gaagcagaca agctgctgtg gtcagtgcag gtggatcacc agctctttgc 1320

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## VERIFICATION SUMMARY

DATE: 02/13/2002

PATENT APPLICATION: US/10/048,024

TIME: 09:58:04

Input Set : A:\PF-0724-PCT Sequence Listing.txt

Output Set: N:\CRF3\02132002\J048024.raw

L:9 M:283 W: Missing Blank Line separator, <120> field identifier  
L:10 M:283 W: Missing Blank Line separator, <130> field identifier  
L:11 M:283 W: Missing Blank Line separator, <140> field identifier  
L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:15 M:283 W: Missing Blank Line separator, <160> field identifier  
L:17 M:283 W: Missing Blank Line separator, <210> field identifier  
L:21 M:283 W: Missing Blank Line separator, <220> field identifier  
L:24 M:283 W: Missing Blank Line separator, <400> field identifier  
L:56 M:283 W: Missing Blank Line separator, <400> field identifier  
L:125 M:283 W: Missing Blank Line separator, <400> field identifier  
L:162 M:283 W: Missing Blank Line separator, <400> field identifier  
L:188 M:283 W: Missing Blank Line separator, <220> field identifier  
L:191 M:283 W: Missing Blank Line separator, <400> field identifier  
L:218 M:283 W: Missing Blank Line separator, <220> field identifier  
L:221 M:283 W: Missing Blank Line separator, <400> field identifier  
L:268 M:283 W: Missing Blank Line separator, <220> field identifier  
L:271 M:283 W: Missing Blank Line separator, <400> field identifier  
L:295 M:283 W: Missing Blank Line separator, <400> field identifier